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IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently amended) ~~A coal-bed-methane water treatment system~~ An apparatus for treating coal-bed-methane water, ~~said coal-bed-methane water treatment system~~ the apparatus comprising:

a pump system ~~for delivering~~ to deliver water from ~~one or many~~ at least one coal-bed-methane wells well into a ~~common~~ reservoir; and

a solid-based sulfurous generator that produces ~~generator to produce~~ aqueous sulfurous acid to treat the coal-bed-methane water ~~that is~~ contained in the reservoir; and

an injection system that ~~injects~~ to inject soluble gypsum into at least one of the aqueous sulfurous acid and the coal-bed-methane water to further treat the coal-bed-methane water in the reservoir.
2. (Currently amended) The apparatus according to of claim 1, further including comprising a control system ~~for controlling~~ to control the a water flow rate through the solid-based sulfurous generator to achieve the a desired concentration of sulfurous acid in the coal-bed-methane water being treated.
3. (Currently amended) The apparatus according to of claim 2, wherein ~~said~~ the control system includes comprises a pH sensor for ~~ascertaining~~ to ascertain the pH of the coal-bed-methane water being treated; a controller connected to said the pH sensor ~~for receiving~~ to receive a signal representative of the pH, comparing said the signal to a set point for a desired water pH, and providing

an output control signal, ~~which affects a flow to a control means connected to said controller for~~
~~adjusting to adjust~~ the water flow rate through said solid-based sulfurous generator to achieve the a
desired concentration of sulfurous acid in the water being treated.

4. (Currently amended) The apparatus according to ~~of~~ claim 3, wherein said ~~flow~~ the control
means ~~includes~~ comprises a variable frequency drive (VFD) for adjusting the pump speed to control to
adjust the water flow rate of ~~water through said solid-based sulfurous generator, said pump system~~
~~being the pump system that delivers coal-bed methane water to said solid-based sulfurous generator.~~

5. (Currently amended) The apparatus according to ~~of~~ claim 3, wherein said ~~flow~~ the control
means ~~includes~~ comprises a variable frequency drive (VFD) for ~~adjusting to adjust~~ the water flow rate
through a valve ~~to control the flow rate of water through said solid-based sulfurous generator, said the~~
valve being located between said solid-based sulfurous the generator and said pump system that
~~delivers water to said solid-based sulfurous~~ controlling the water flow rate through the generator.

6. (Currently amended) The apparatus according to ~~of~~ claim 2, wherein said the control system
includes ~~comprises~~ a flow rate sensor for ~~determining to measure~~ the water flow rate of ~~water into said~~
reservoir through the generator; a controller connected to said the flow rate sensor for ~~receiving to~~
receive a signal representative of the flow rate and ~~providing to provide~~ an output control signal to a
flow control means ~~connected to said controller for adjusting to adjust~~ the water flow rate through said
solid-based sulfurous the generator to achieve the a desired concentration of sulfurous acid in the water
being treated.

7. (Currently amended) The apparatus ~~according to~~ of claim 2, wherein ~~said the~~ control system further includes ~~comprises a feed load cell for determining to determine~~ the weight of sulfur being fed to ~~said solid-based sulfurous the~~ generator.

8. (Currently amended) The apparatus ~~according to~~ of claim 7, further ~~including comprising~~ a timer circuit ~~for calculating the to calculate a feed burn rate based on the a change in the of an~~ output of the feed load cell over time.

9. (Currently amended) The apparatus ~~according to~~ of claim 2, wherein ~~said the~~ control system further includes ~~comprises a flow meter for measuring to measure the water flow rate of water through~~ ~~said solid-based sulfurous generator.~~

10. (Currently amended) The apparatus ~~according to~~ of claim 2, wherein ~~said the~~ control system further includes ~~comprises a timer for to selectively starting start and stopping said solid-based sulfurous stop the~~ generator.

Claims 11-62. (Cancelled)